

Claims

1. A one-way clutch spring which is placed in an annular space between an outer ring and an inner ring, in which engagement members are placed respectively in pockets disposed circumferentially at regular intervals, and which has tongues that elongate respectively into said pockets, and that urge said engagement members toward an engagement side, and is characterized in that

each of said tongues that elongate into said pockets has a bend at a basal end, and is disposed so that an inclination angle to a base is  $20^{\circ}$  to  $30^{\circ}$ , said base being in a state where it is previously bent toward a side that will be inside, before placed in said annular space.

2. A one-way clutch spring according to claim 1, characterized in that each of said tongues that elongate into said pockets has a spring constant in a range where an inclination angle to said base when said engagement member placed in said annular space is urged is further increased in a range of  $5^{\circ}$  to  $15^{\circ}$  with respect to an inclination angle to said base in a state where it is previously bent toward said side that will be inside, before placed in said annular space.

3. A one-way clutch spring which is placed in an annular space between an outer ring and an inner ring, in which engagement members are placed respectively in pockets disposed circumferentially at regular intervals, and which has  
5 tongues that elongate respectively into said pockets, and that urge said engagement members toward an engagement side, and is characterized in that

each of said tongues that elongate into said pockets has a first bend, a second bend, and a third bend as seen  
10 from a column constituting a spring, said bends being meandering bends in which all centers of curvature are positioned on a side of said inner ring with respect to an annular base constituting said spring, and is previously bent toward a side that will be inside, before  
15 said engagement members are placed in said annular space,  
a height of a tip end portion to said base is larger than a height of an apex of said second bend to said base, and radii of curvature of said three bends are in a range of  
20 0.2 to 0.6 mm.